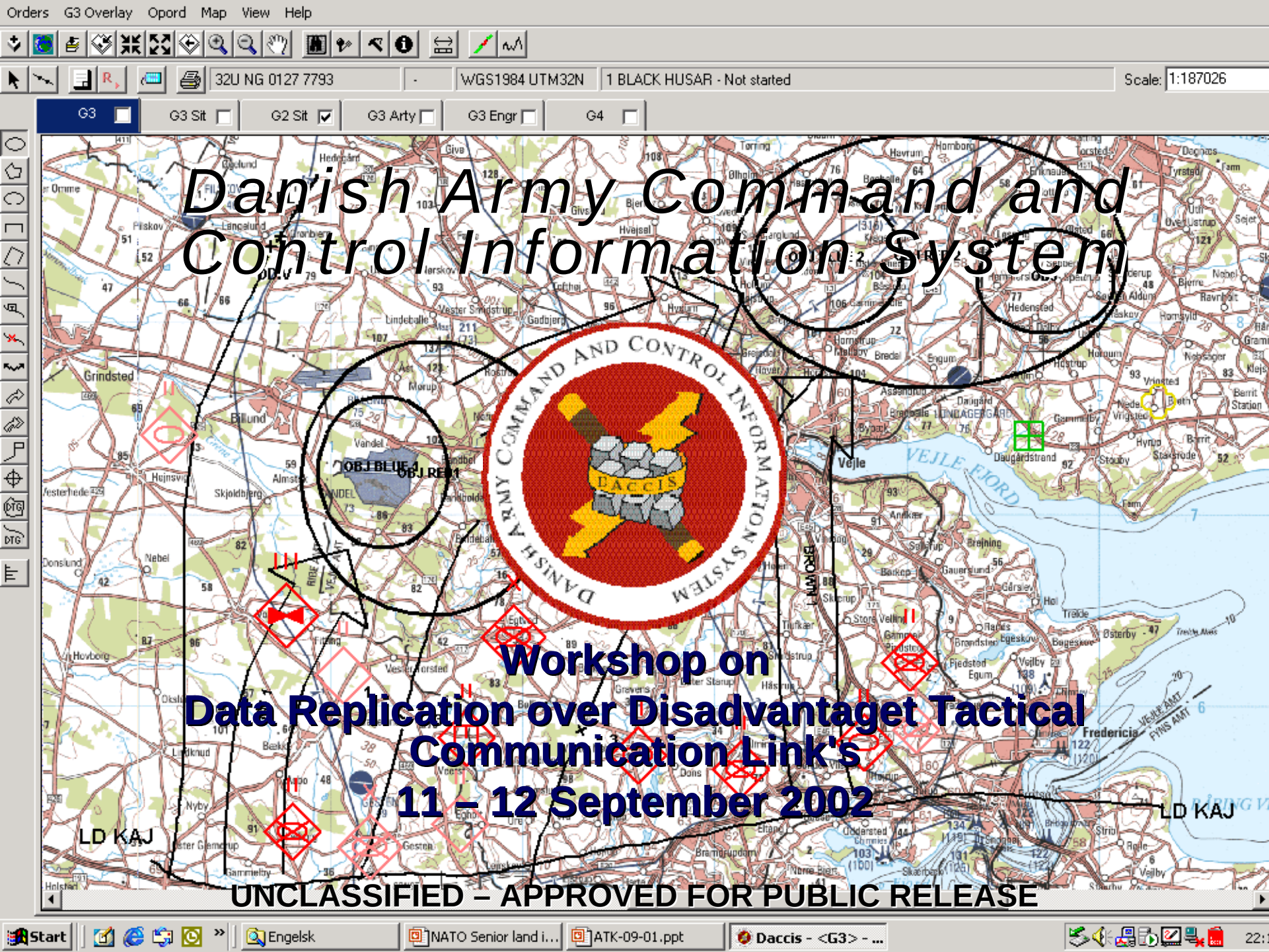

Orders G3 Overlay Opord Map View Help
32U NG 0127 7793
WGS1984 UTM32N
1 BLACK HUSAR - Not started
Scale: 1:187026
G3
G3 Sit
G2 Sit
G3 Arty
G3 Engr
G4
Danish Army Command and Control Information System
DANISH ARMY COMMAND AND CONTROL INFORMATION SYSTEM
DACCIS
Workshop on
Data Replication over Disadvantaget Tactical Communication Link's
11 – 12 September 2002
UNCLASSIFIED – APPROVED FOR PUBLIC RELEASE
LD KAJ
LD KAJ
Start
Engelsk
NATO Senior land i...
ATK-09-01.ppt
Daccis - <G3> - ...

Report Documentation Page

Form Approved
OMB No. 0704-0188

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE	2. REPORT TYPE	3. DATES COVERED
01 DEC 2007	**N/A**	

4. TITLE AND SUBTITLE	5a. CONTRACT NUMBER
Danish Army Command and Control Information System	5b. GRANT NUMBER
	5c. PROGRAM ELEMENT NUMBER
6. AUTHOR(S)	5d. PROJECT NUMBER
	5e. TASK NUMBER
	5f. WORK UNIT NUMBER
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) **Danish Army Command and Control Information System & ACOS/CCIS-Section/Danish Division**	8. PERFORMING ORGANIZATION REPORT NUMBER
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)	10. SPONSOR/MONITOR'S ACRONYM(S)
	11. SPONSOR/MONITOR'S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release, distribution unlimited.

13. SUPPLEMENTARY NOTES

14. ABSTRACT

15. SUBJECT TERMS

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			
unclassified	**unclassified**	**unclassified**	**UU**	**43**	

Standard Form 298 (Rev. 8-98)
Prescribed by ANSI Std Z39-18

THE SPEAKER

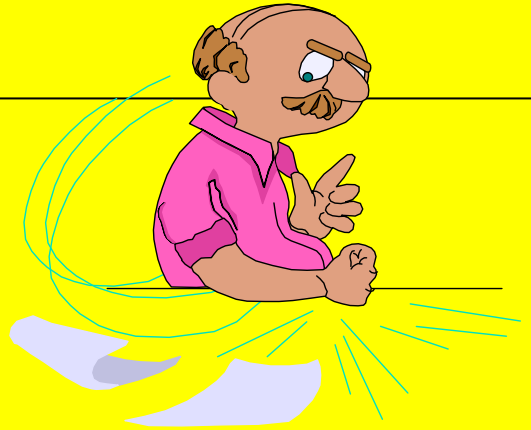
Erling J. Rasmussen
major
Operational Project Officer
Danish Army Command and Control Information System
&
ACOS/CCIS-Section/Danish Division

E-mail: daccis-ddiv@mail.sonofon.dk

AGENDA

- Introduction
- Requirements
- Problems
- Solution's
- DACCIS
- Demonstration

INTRODUCTION

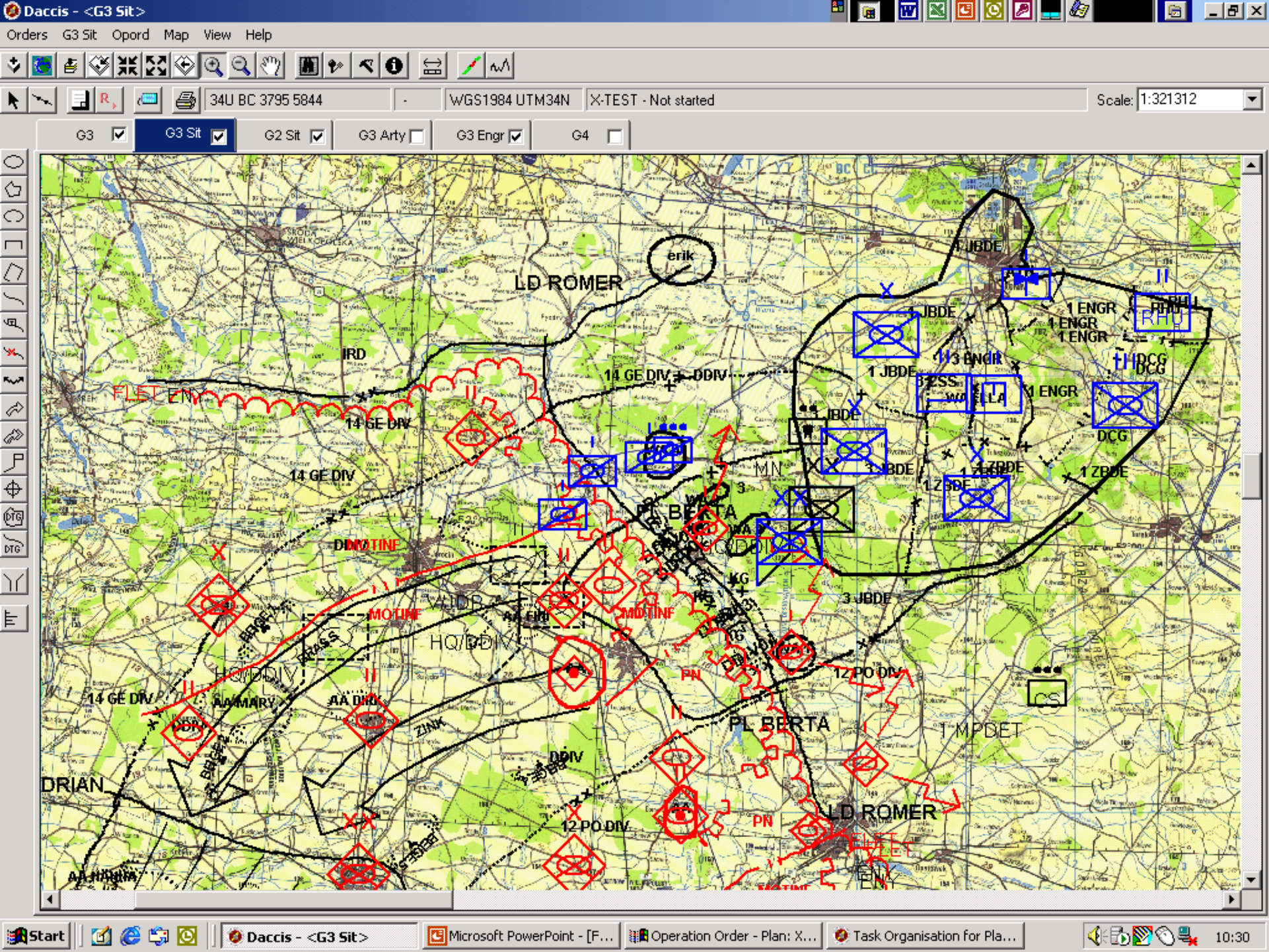


"Giving bad commanders more information does not make them good. They just make bad decisions faster, or get so overwhelmed that they can't make any decision"

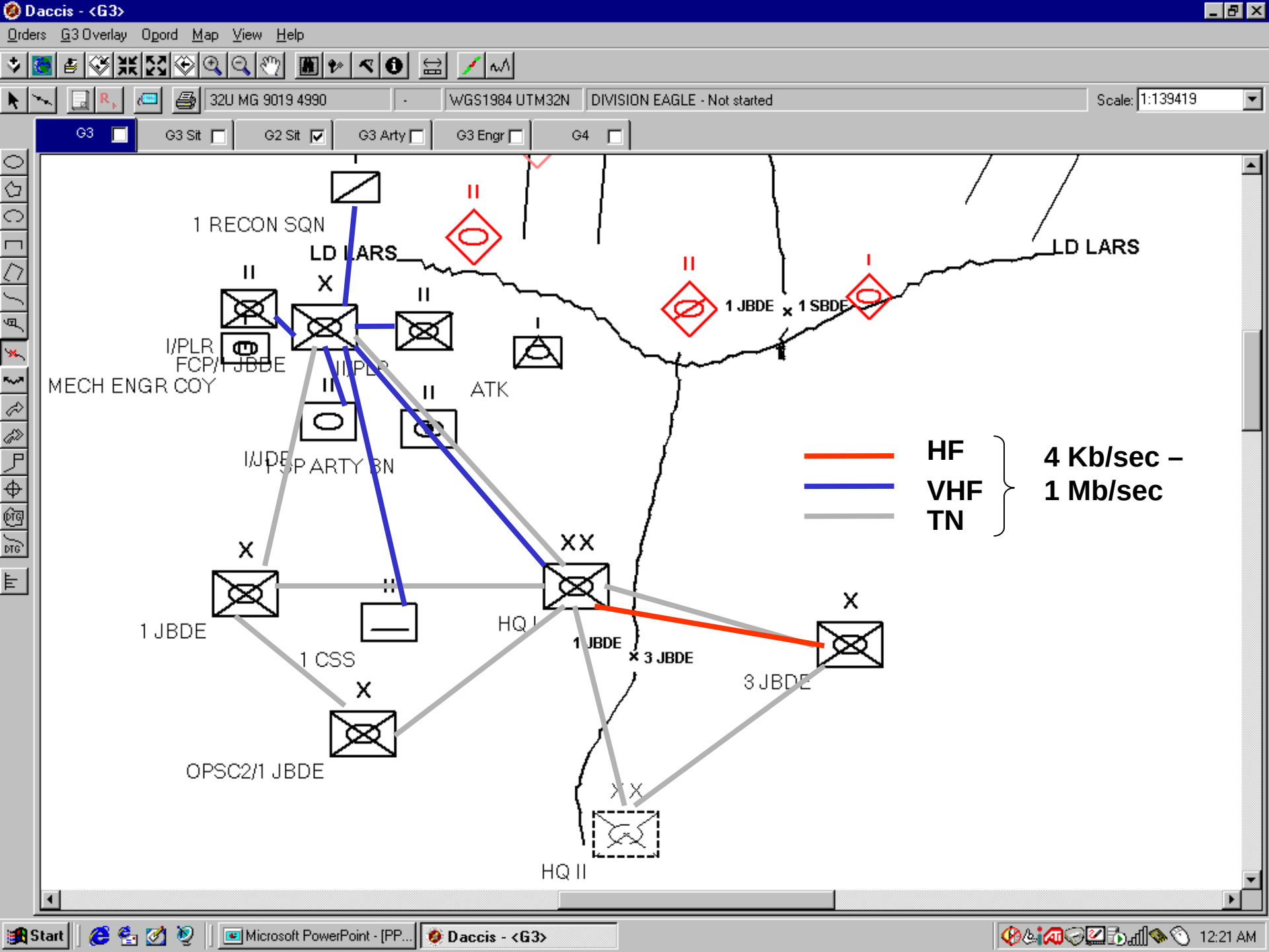
PURPOSE

- To reduce time consumption
- To improve the basis for decisions.
- To improve exchange of information.
- To improve handling of information.
- To modernise the presentation of information
- To improve and extend the use of computer assisted exercises (CAX).

PROBLEMS

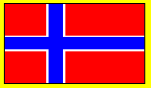

Daccis - <G3 Sit>
Orders G3 Sit Opord Map View Help
34U BC 3795 5844
WGS1984 UTM34N
X-TEST - Not started
Scale: 1:321312
G3 G3 Sit G2 Sit G3 Arty G3 Engr G4
LD ROMER
erik
IRD
FLET ENY
14 GE DIV
DDIV
MOTINF
HQ/DDIV
AA MARY
AA DIRK
ZINK
DRIAN
PL BERTA
12 PO DIV
1 JBDE
1 ENGR
3 ENGR
3 JBDE
1 ZBDE
DCG
PN
CS
1 MPDET
Start
Daccis - <G3 Sit>
Microsoft PowerPoint - [F...
Operation Order - Plan: X...
Task Organisation for Pla...
10:30

COMMUNICATIONS


Daccis - <G3>
Orders
G3 Overlay
Opord
Map
View
Help
32U MG 9019 4990
WGS1984 UTM32N
DIVISION EAGLE - Not started
Scale: 1:139419
G3
G3 Sit
G2 Sit
G3 Arty
G3 Engr
G4
1 RECON SQN
LD LARS
LD LARS
1 JBDE
1 SBDE
I/PLR
FCP/1 JBDE
MECH ENGR COY
ATK
I/JDE
PSP ARTY BN
HF
VHF
TN
4 Kb/sec –
1 Mb/sec
1 JBDE
1 CSS
HQ I
1 JBDE
3 JBDE
3 JBDE
OPSC2/1 JBDE
HQ II
Start
Microsoft PowerPoint - [PP...
Daccis - <G3>
12:21 AM

INTEROPERABILITY

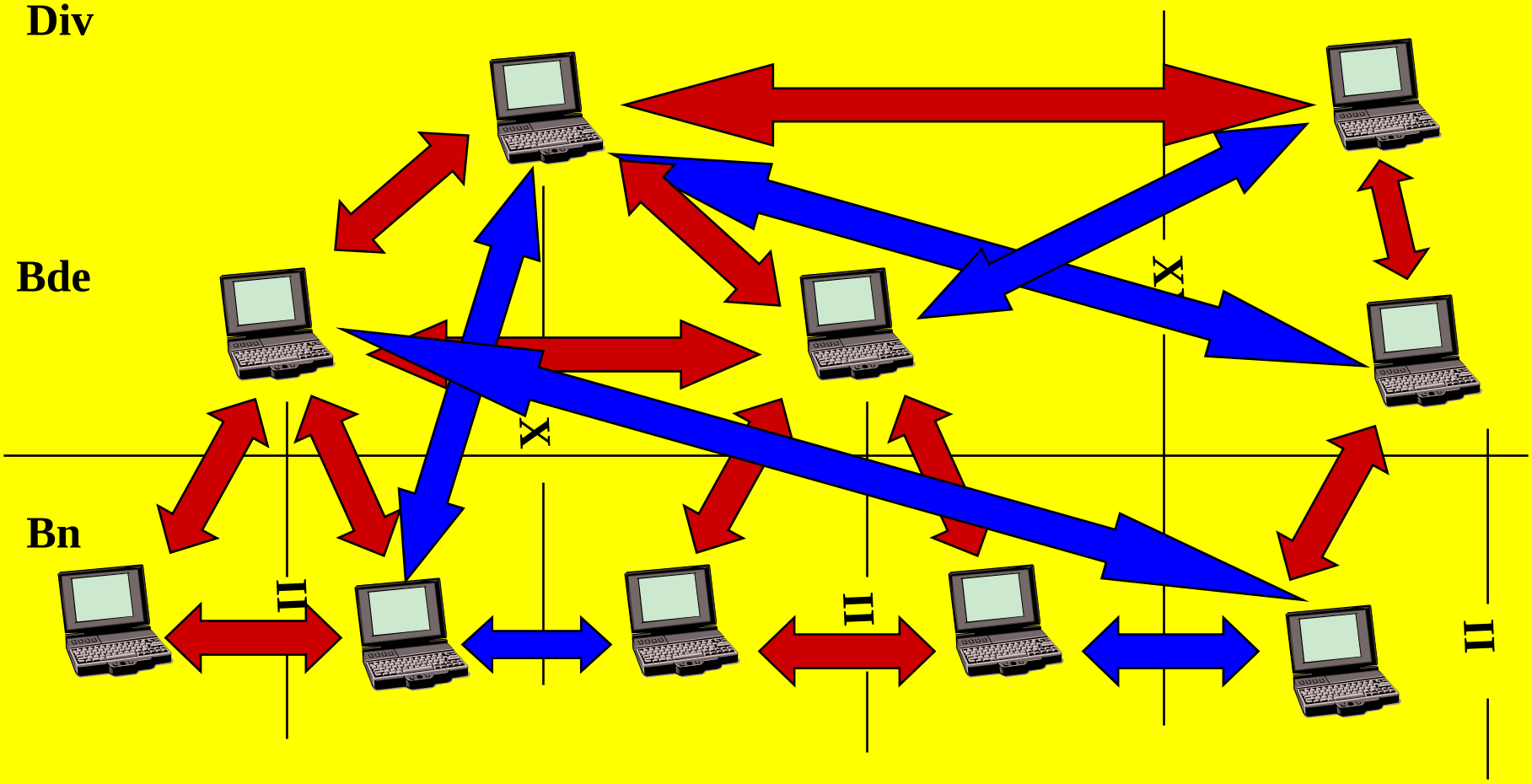
FULL MEMBERS

	CA	LFCS
	DA	DACCIS
	FR	SICF, SIR
	GE	HEROS-2/1
	IT	SIACCON
	NO	NACCIS/NORCCIS
	NL	ISIS
	SP	SIMACET
	UK	ATacCS/ComBAT
	US	MCS

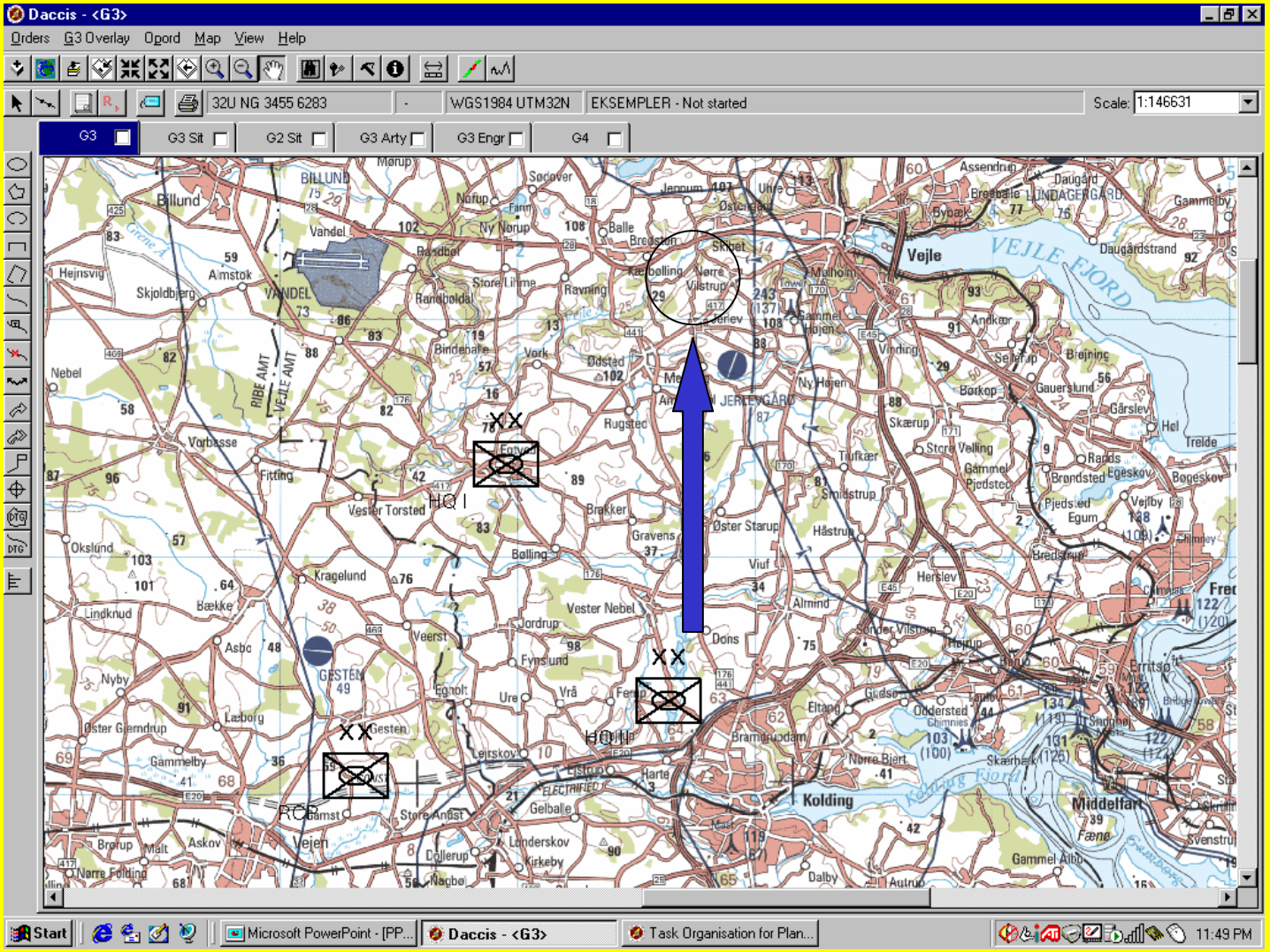
ASSOCIATE MEMBERS

	AS	JCCS, BCSS
	AU	ROSE
	BE	SICBEL
	CZ	GF-TCCS
	PL	KOLORADO
	PO	SICCE
	TU	TKKBS
	HU	

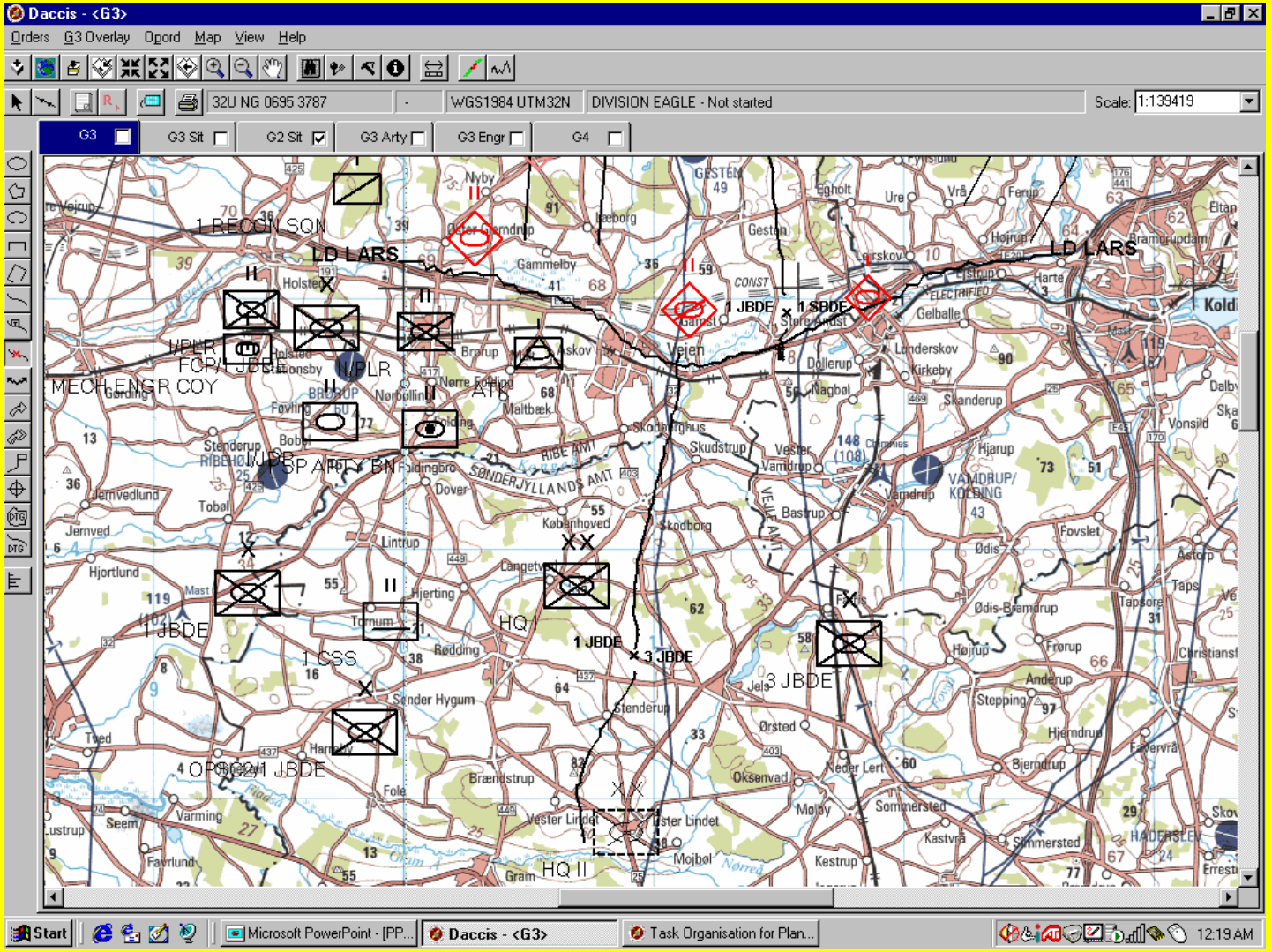
INFORMATION EXCHANGE
(Replication)



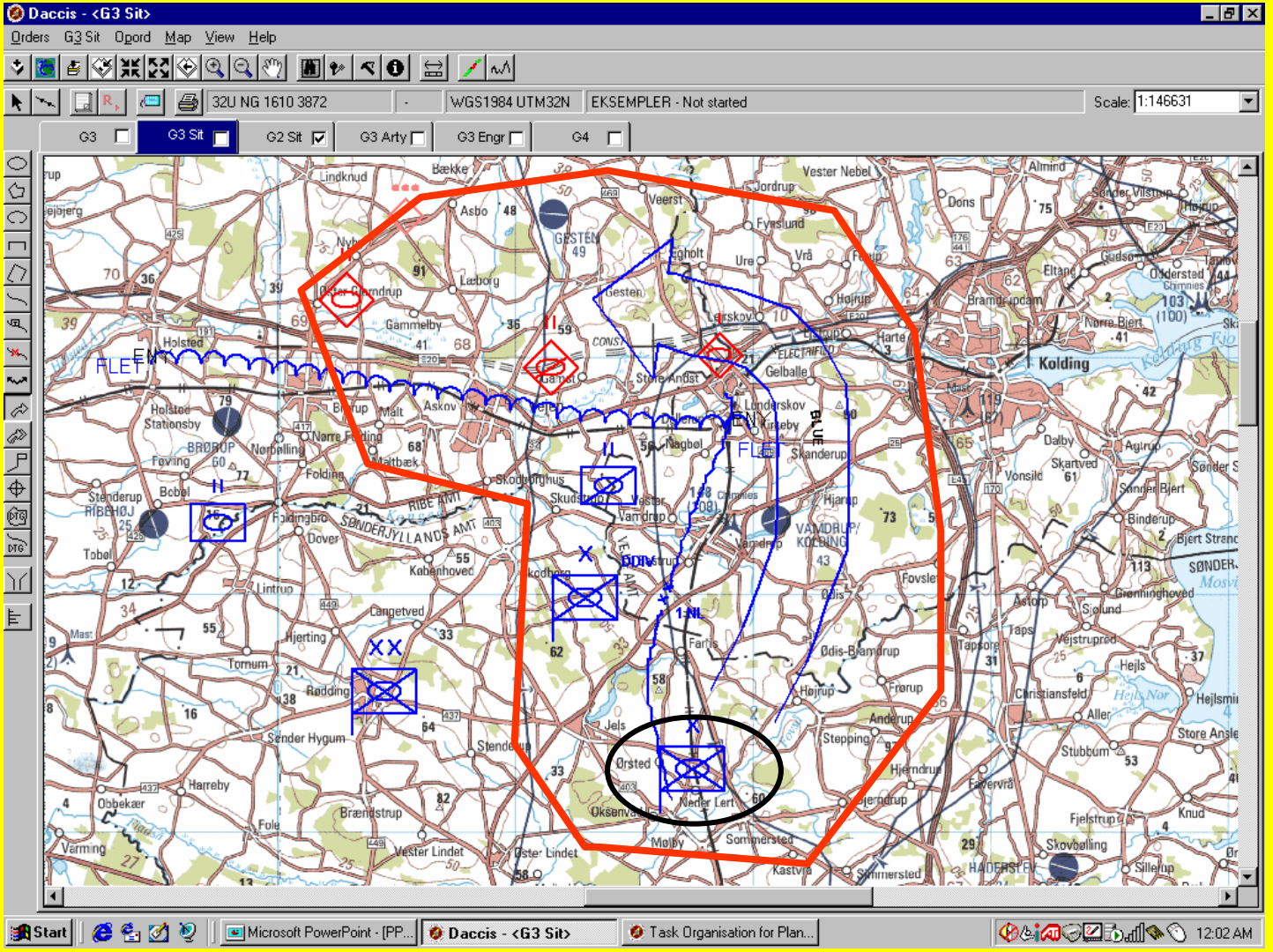
CHANCE HEADQUARTERS LOCATION



UPDATES


Daccis - <G3>
Orders G3 Overlay Opord Map View Help
32U NG 0695 3787
WGS1984 UTM32N
DIVISION EAGLE - Not started
Scale: 1:139419
G3
G3 Sit
G2 Sit
G3 Arty
G3 Engr
G4
LD LARS
1 RECON SQN
1 JBDE
1 SBDE
3 JBDE
HQ I
HQ II
1 CSS
MECH ENGR COY
VAMDRUP/ KOLDING
Start
Microsoft PowerPoint - [PP...
Daccis - <G3>
Task Organisation for Plan...
12:19 AM

NEW UNITS


Daccis - <G3 Sit>
Orders G3 Sit Opord Map View Help
32U NG 1610 3872
WGS1984 UTM32N
EKSEMPLER - Not started
Scale: 1:146631
G3 G3 Sit G2 Sit G3 Arty G3 Engr G4
Kolding
Start
Microsoft PowerPoint - [PP...
Daccis - <G3 Sit>
Task Organisation for Plan...
12:02 AM

COMMON OPERATIONAL PICTURE

WHO IS DECIDING WHICH INFORMATION THE COMMON OPERATIONAL PICTURE INCLUDES ?

- ONLY THE COMMANDERS INVOLVED!

REPORTS

DID YOU KNOW THAT... The following messages have support for automatic processing, updating and generation:

Land:
JUNIT
OPSITREP
EOPSITREP
PERSREP
OWNSITREP
ENSITREP

Naval:
GOLD
XCTC
NAVSITREP
NAVSITSUM
MARINTREP
MARINTSUM
UNSTATREP
NAVACTREQ
NAVACTSUM
OPSTATREP

Joint:
ASSESSREP
LOGASSESSREP
CISSITREP
PSOSITREP
MEDASSESREP
MEDSITREP

MIP MTF ORGLOCAT

ORGLOCAT.irs - WordPad

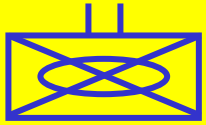
File Edit View Insert Format Help

```
EXER/MIP LOT//
MSGID/ORGLOCAT/-/-/-/-/-//
SEG4/-//
RPTD/20200000000010002/REP/YES/-/TRSTED/36580/43200/RDABST/-
/20200000010001/20200010001/0//
RPTDAT/20200000000010002/0/36580/43200/HR/20200010001/0//
OBJIS/20200000010008/202000001001/OR/FR/20200000000010002
/20200010001/0//
ORGSTAT/20200000010008/202000001001/OPR/NKN/-/NORM/NO/INACT
/20200010001/0//
SEG9/-//
LOCAT/20200000040008/PT/20200010001/0//
POINT/20200000040008/ABS/100M/100M/20200010001/0//
ABSPOINT/20200000040008/LOC/31.116230/-97.904070/20200010001/0//
RPTD/20200000000010003/REP/YES/-/TRSTED/36580/43200/RDABST/-
/20200000010001/20200010001/0//
RPTDAT/20200000000010003/0/36580/43200/HR/20200010001/0//
ORGPOINT/20200000010008/20200000040008/202000001001/-/-/-
/20200000000010003/20200010001/0//
```

For Help, press F1 NUM

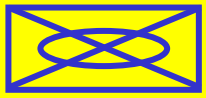
WHAT TO HANDLE?
(EXAMPLES)

G2: (Good old Warsaw Pact scenario)



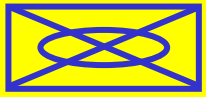
50 – 75 Informations/Hour

X



100 – 125 Informations/Hour

XX



150 – 175 Informations/Hour

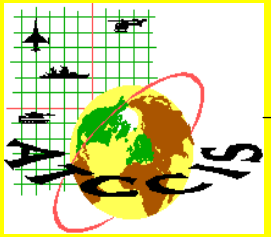
Division and sub units:

116.000 full filled pieces of A4 papers/24 Hour

SOLUTIONS

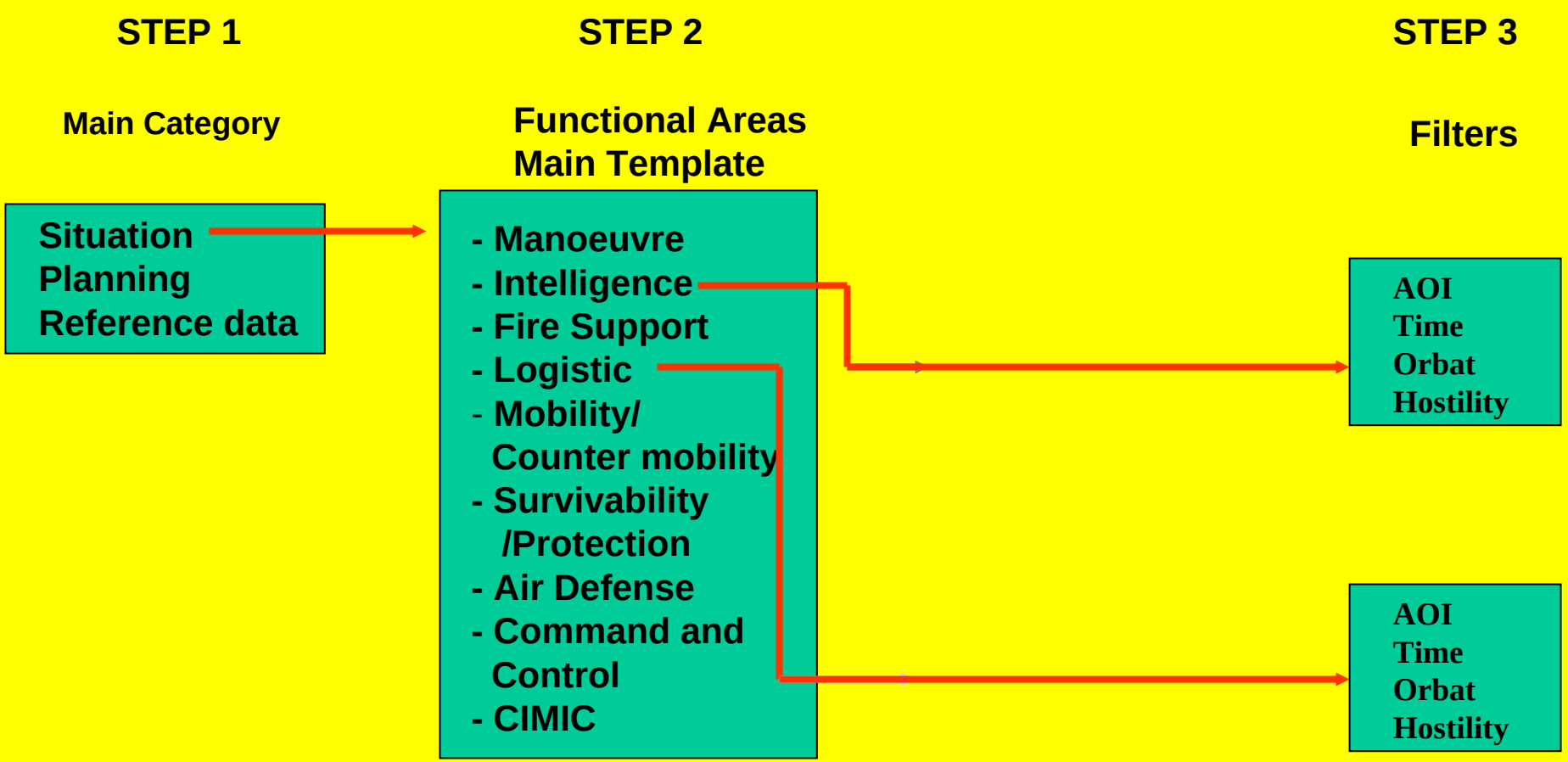
MULTILATERAL INTEROPERABILITY PROGRAM

2002 2003 2004 .....

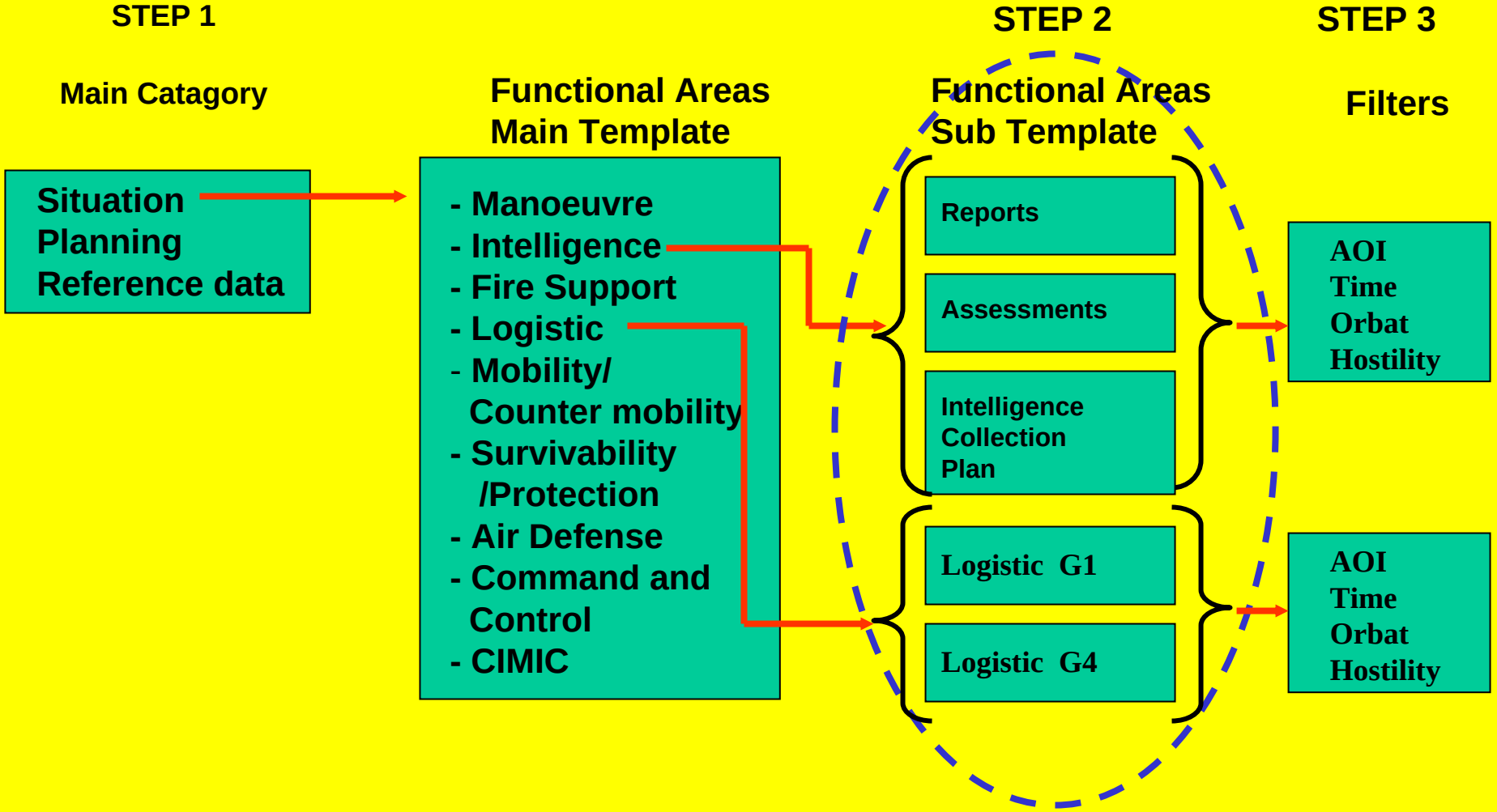


Results to NATO

DYNAMIC CONTRACTING 1



DYNAMIC CONTRACTING 2



Danish Army Command and Control Information System

DACCIS DEVELOPMENT

5 PROJECT´S

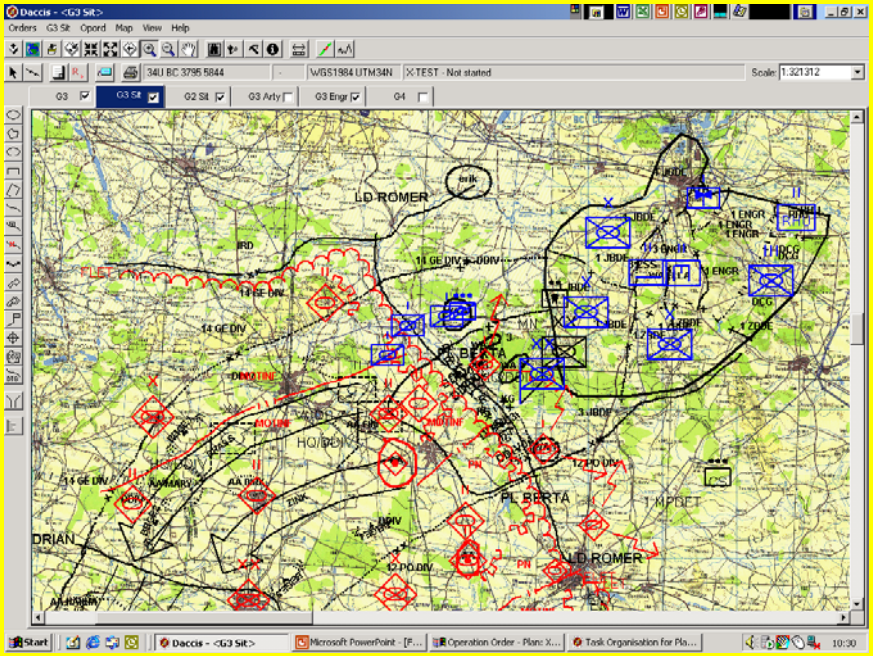
- I = Danish Division and its sub units and The Danish Reaction Brigade
- II = Brigade sub units
- III = Other units in the Danish Army
- IV = Corps ?
- V = NORCAPS?

Danish Army Command and Control Information System

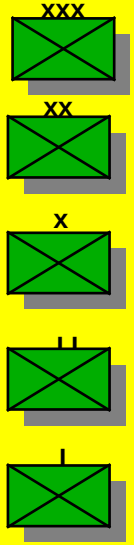
Automatic, near real time information exchange on Article 5 and Crisis Response Operations.

Using LC2EIDM, ARM and DYNAMIC CONTRACTING gives the possibility to exchange exactly the necessary information that Commanders need and at the same time save bandwidth.

Covering planning and execution in all functional areas.



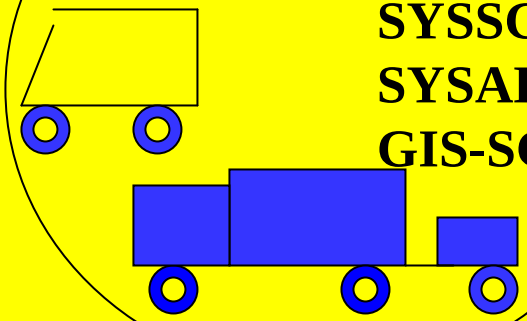
Designed for



DANISH DIVISION

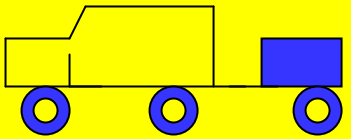
TOC 1

SYSOFF
SYSSGT
SYSADM
GIS-SGT



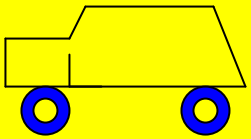
FHQ

SYSADM



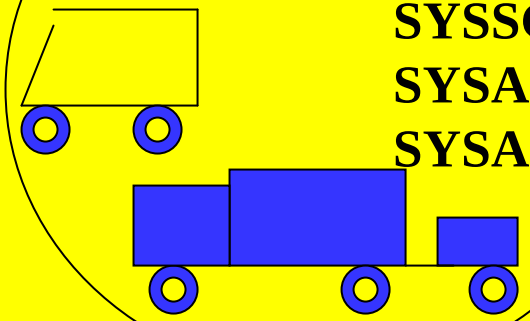
PLANC

CH/CCIS
SYSADM
GIS-SGT

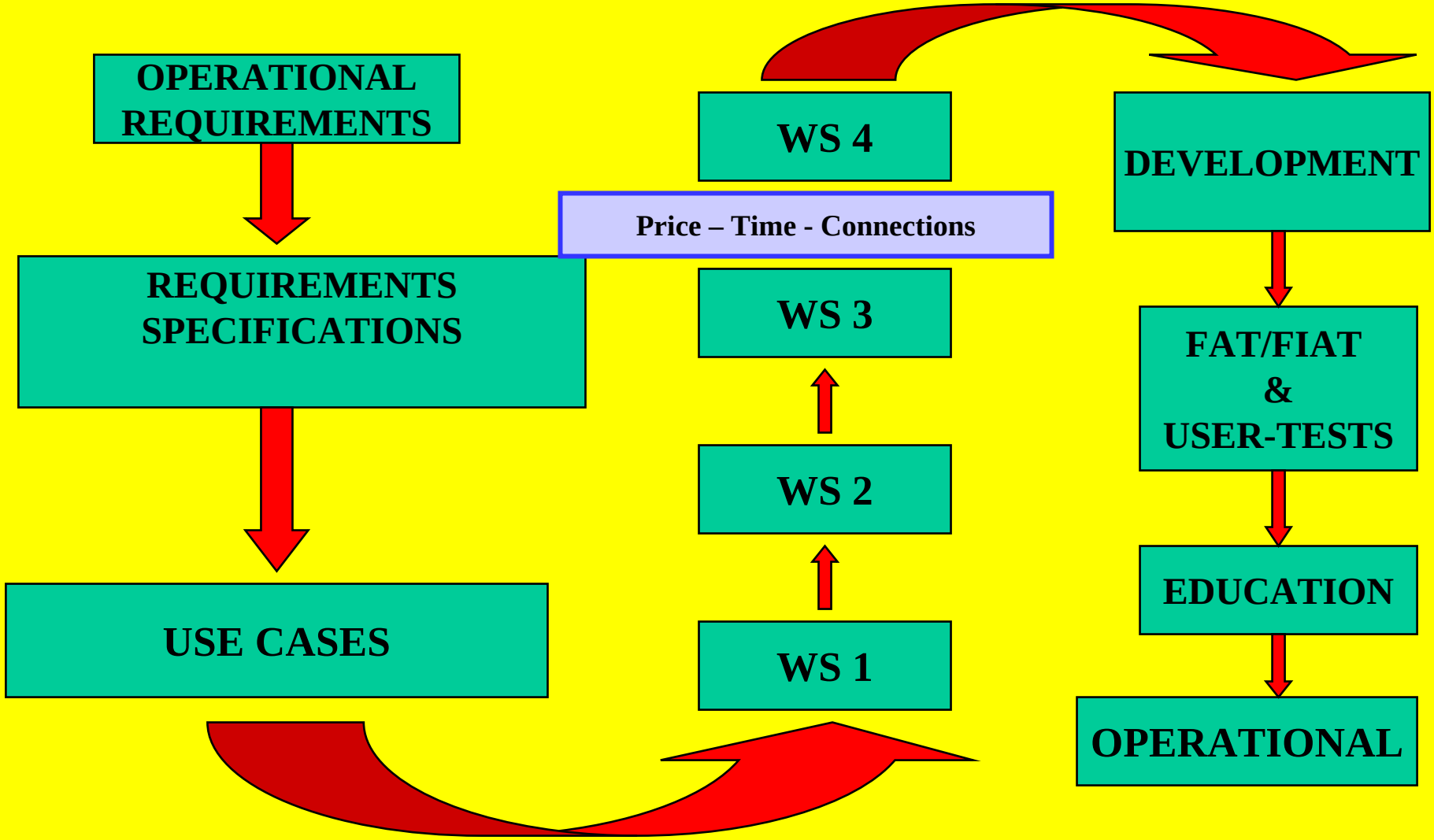


TOC 2

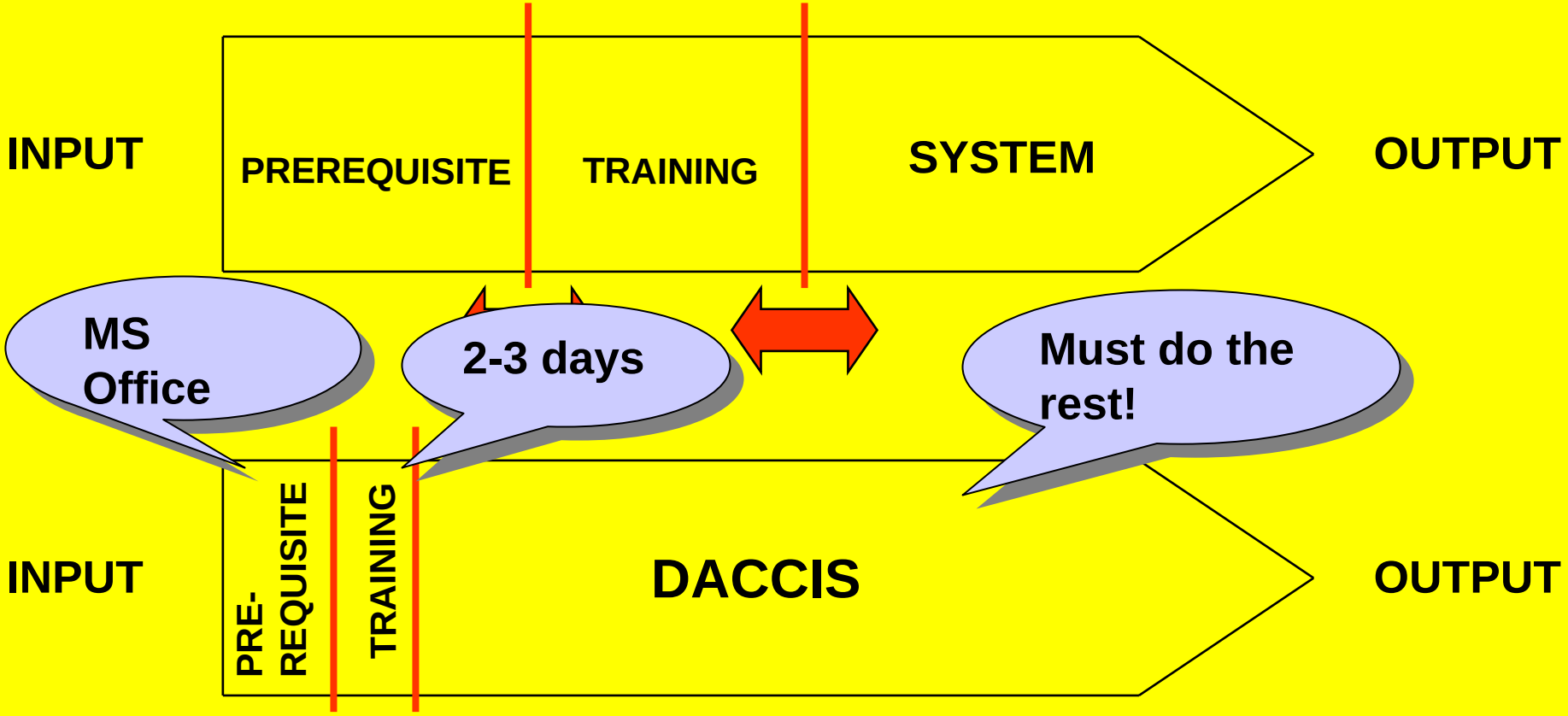
SYSOFF
SYSSGT
SYSADM
SYSADM



DEVELOPMENT PROCESS (Rational Unified Process)



TRAINING


INPUT
PREREQUISITE
TRAINING
SYSTEM
OUTPUT
MS Office
2-3 days
Must do the rest!
INPUT
PRE-REQUISITE
TRAINING
DACCIS
OUTPUT

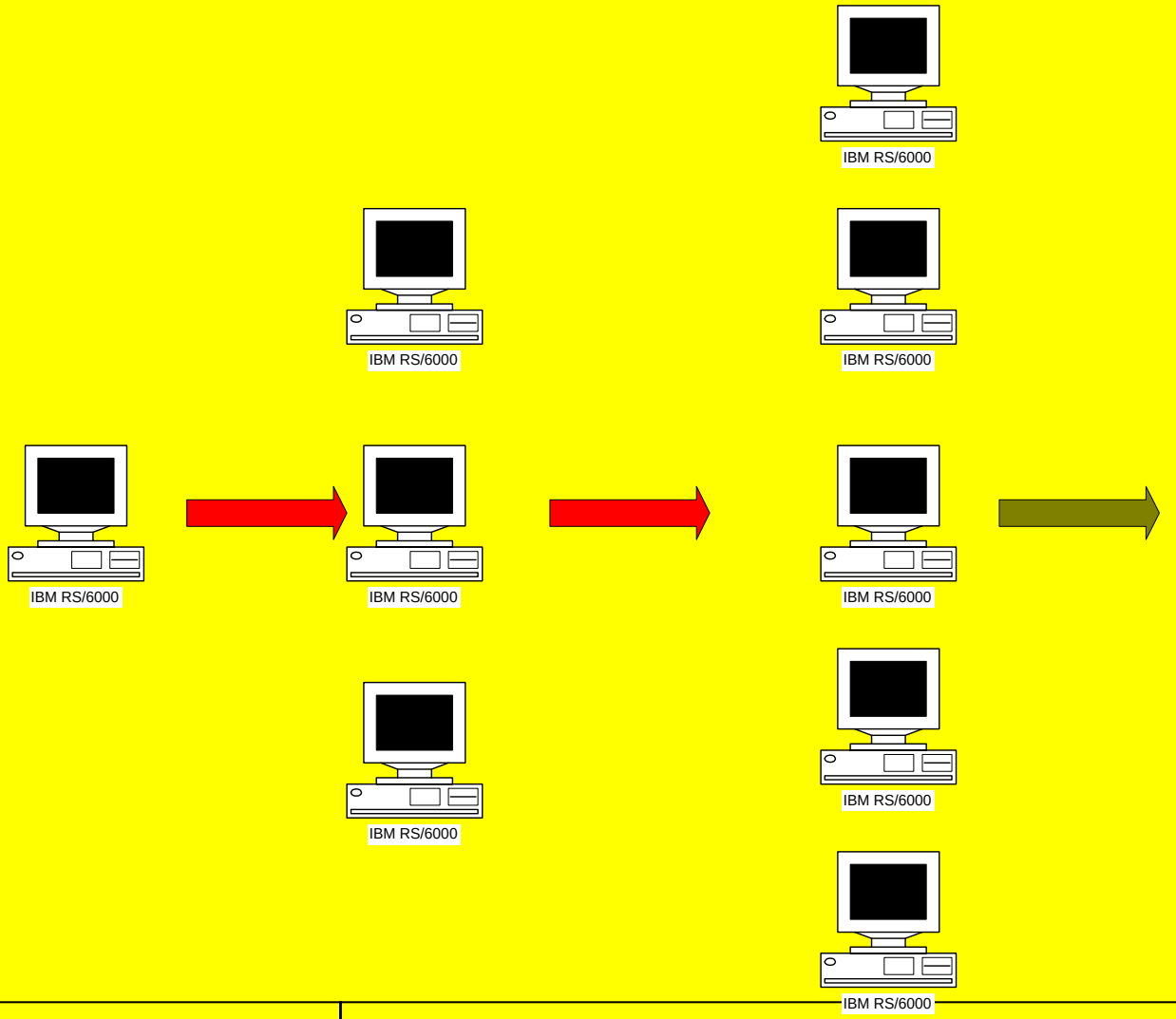
HARDWARE

MATERIEL

MATERIEL

MATERIEL

END STATE


IBM RS/6000
IBM RS/6000
IBM RS/6000
IBM RS/6000
IBM RS/6000
IBM RS/6000
IBM RS/6000
IBM RS/6000
IBM RS/6000
1000?
+ 200
Servers?

WHAT´S NEW!

PHASE 2 FUNCTIONALITIES (1)

G2/G3

- Own COA/Enemy COA-confrontation.
- Relative Combat Power.
- Actual Target acqui. List.
- Intel Collection Plan.
- Counter Intel Incidents.
- UAV-request etc.
- FLET.
- Time/Distance for Meeting Engagement.

G3, Engineer

- Terrain Analysis.
- Informations on Bridges and passability.
- Engineer Plan.
- ENGR Situation Overlay.
- NBC Overlay.
- ENGR Means:
  - Status.
  - Allocation.

PHASE 2 FUNCTIONALITIES (2)

G3, Air Defence

- Air Defence Situation Overlay.
- Air Defence.
- Air Defence Sketch.
- HEL Situation Overlay

G3, Hel

- HEL Situation Overlay.
- Best low level fliht route

G1/G4

- Logistic Planning.
- Logistic Situation overlay.
- Logistic ”Stop Lights”.
- Calculation of need for Logistic Support.
- Movement Planning.
- CIMIC overlay etc.

PHASE 2 FUNCTIONALITIES (3)

G6

- Allocation of Frq. Outline of location of Units.
- Code Words etc.
- Annex S (COMMS) to the OPORDER.
- COMMS Situation Overlay.

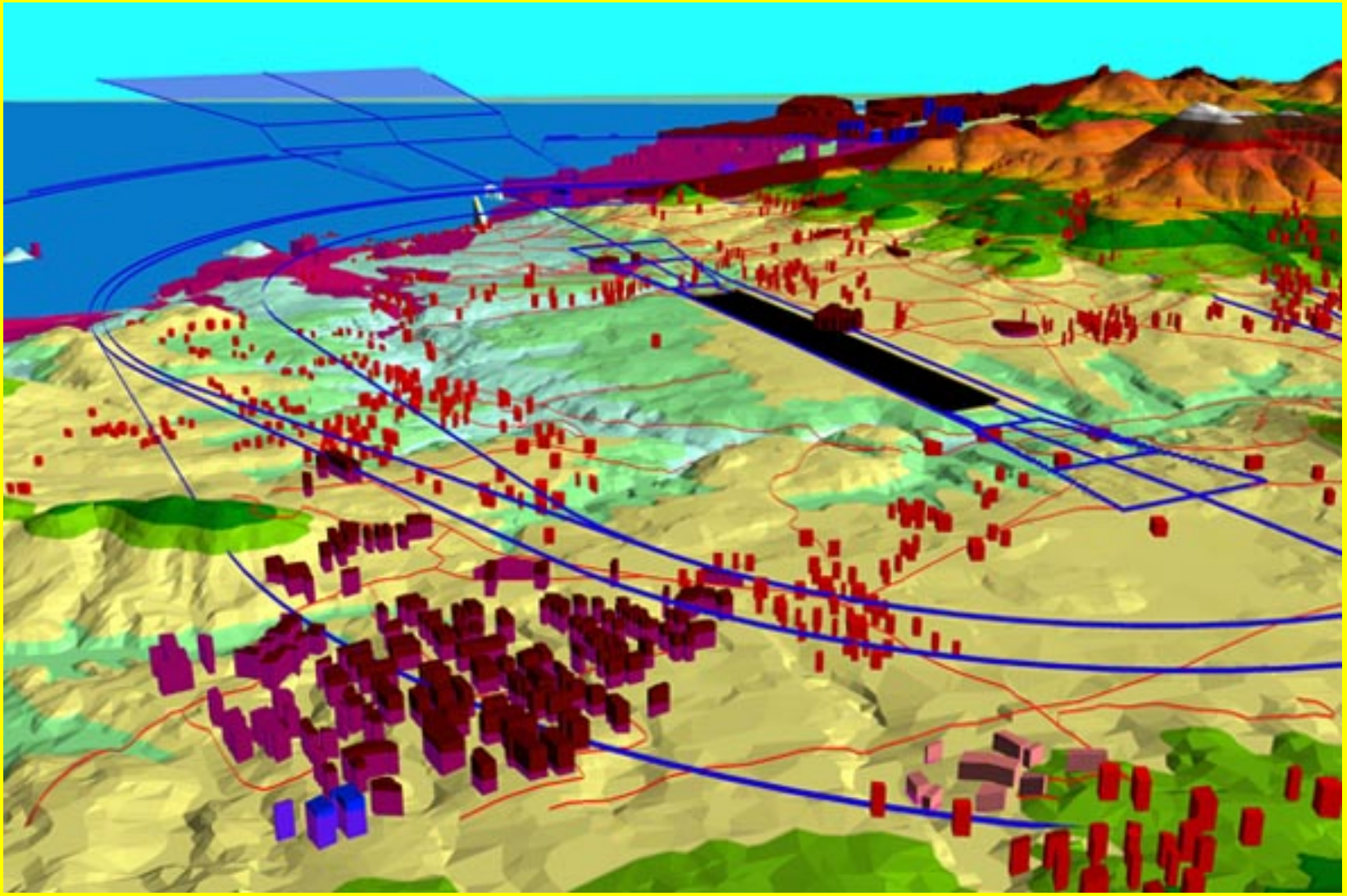
Other functions

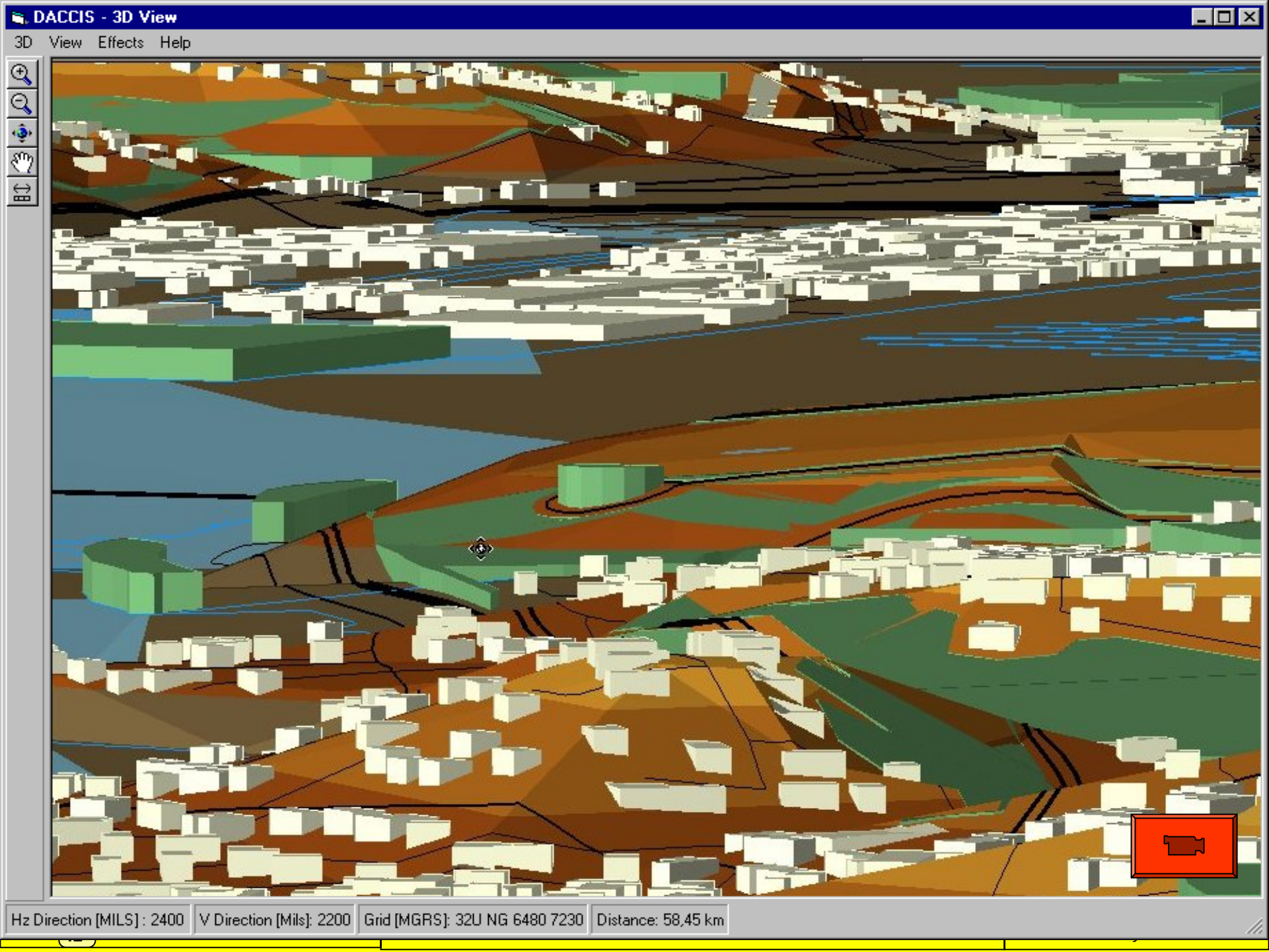
- DACCIS on the Defence Integrated information Network.
- Supporting app. 50 Reports.
- System Management.
- GIS management.

PHASE 2 FUNCTIONALITIES (4)

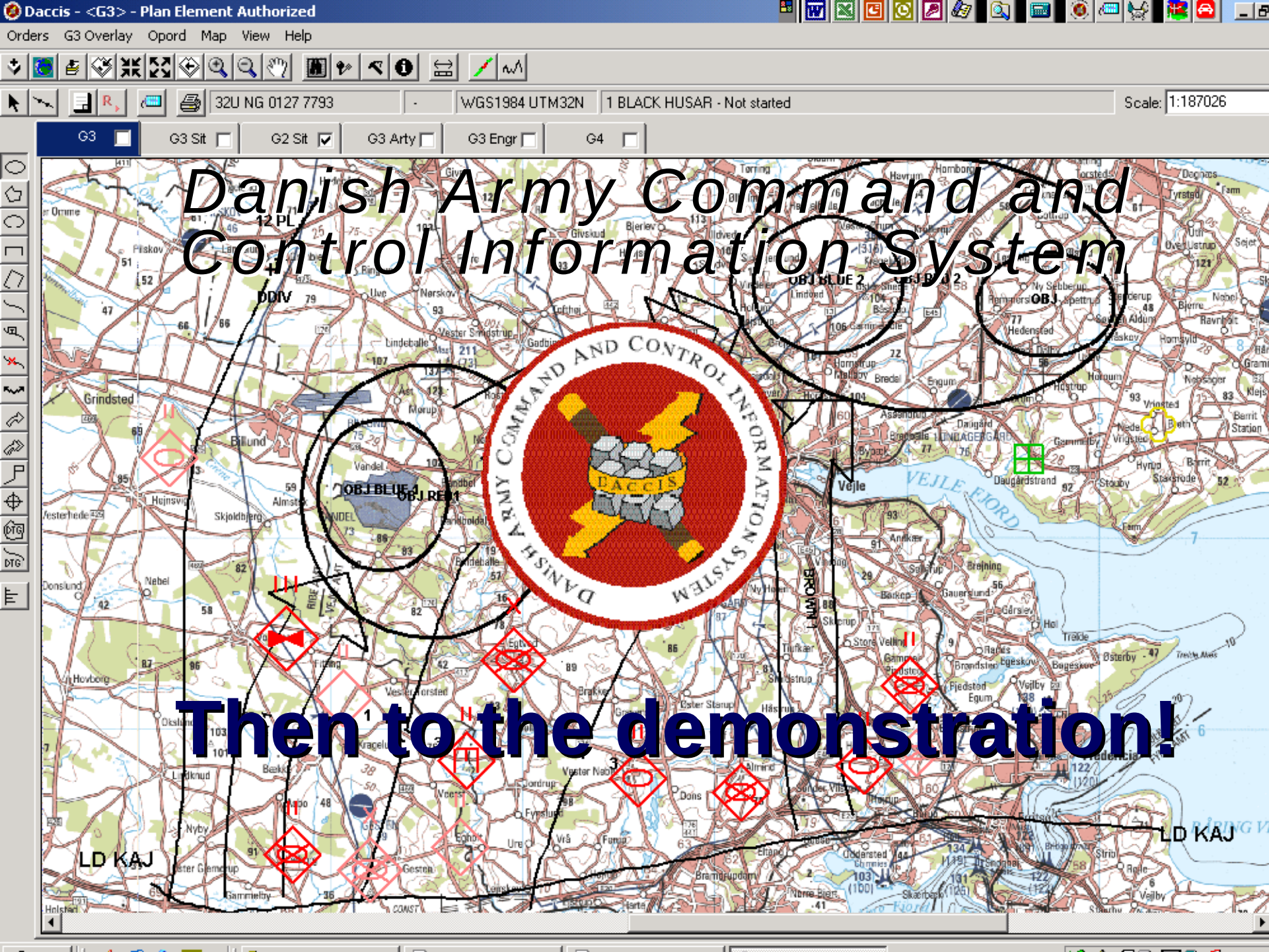
- and another 75 functionality's

3 D




DACCIS - 3D View
3D
View
Effects
Help
Hz Direction [MILS] : 2400
V Direction [Mils]: 2200
Grid [MGRS]: 32U NG 6480 7230
Distance: 58,45 km

Daccis - <G3> - Plan Element Authorized
Orders G3 Overlay Opord Map View Help
32U NG 0127 7793
WGS1984 UTM32N
1 BLACK HUSAR - Not started
Scale: 1:187026
G3 G3 Sit G2 Sit G3 Arty G3 Engr G4
Danish Army Command and Control Information System
DANISH ARMY COMMAND AND CONTROL INFORMATION SYSTEM
DACCIS
QUESTIONS - SO FAR?
LD KAJ
LD KAJ
OBJ BLUE 4
OBJ RED 1
OBJ BLUE 2
DDIV
12 PL
Grindsted
Billund
Vejle
VEJLE FJORD
Fredericia


Daccis - <G3> - Plan Element Authorized
Orders G3 Overlay Opord Map View Help
32U NG 0127 7793
WGS1984 UTM32N
1 BLACK HUSAR - Not started
Scale: 1:187026
G3 G3 Sit G2 Sit G3 Arty G3 Engr G4
Danish Army Command and Control Information System
DANISH ARMY COMMAND AND CONTROL INFORMATION SYSTEM
DACCIS
Then to the demonstration!
LD KAJ
LD KAJ
OBJ BLUE 4
OBJ RED 1
OBJ BLUE 2
DDIV
12 PL
Grindsted
Billund
Vejle
VEJLE FJORD